

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there are qualified data on this page.

Meter ID: Shrimp trap

RQ: 2022-08-01-71

Project: 5 mp

- Notes: (1) Always wait for meter to stabilize before recording any readings.
 (2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 6/1/22

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro-meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Terry Riordan	8/1/22	0720	22.6	758.9	8.6	8.63	99.9	/	1.140	(P)/F	L/F
ICV	1	1	0721	22.6	758.9	8.6	8.63	99.8	/	/	(P)/F	L/F
CCV	Terry Riordan	1	1253	23.5	758.6	8.5	8.54	100.8	/	/	(P)/F	L/F
CCV											P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L. Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.
 Optical: DO gain range 0.85 to 1.15 (Pro DSS 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Terry Riordan	8/1/22	0727	220328A	04/23	1000	1000	(P)/F	L/F
ICV	1	1	0731	2112E28	12/23	100	98.6	(P)/F	L/F
CCV	Terry Riordan	1	1255	2112E28	12/23	100	98.5	(P)/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Terry Riordan	8/1/22	0735	210792	02/23	7.00	24.0	7.00	-29.3	(P)/F	L/F
Calibr.	1	1	0739	206704	11/22	4.00	23.2	4.00	147.5	(P)/F	L/F
Calibr.	1	1	0743	207370	03/23	10.01	23.8	10.01	-205.0	(P)/F	L/F
ICV	1	1	0747	207370	03/23	10.01	23.8	9.99	-204.2	(P)/F	L/F
CCV	Terry Riordan	1	1257	206704	11/22	4.00	23.3	4.09	142.3	(P)/F	L/F
CCV										P/F	L/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ; mV pH 4 Range $+180 \pm 50$; mV pH 10 Range -180 ± 50 ;
 If mV are recorded: slope from 7 to 10 175.7, slope from 4 to 7 176.8 (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: 6/1/22

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: light; Date of last verification: 5/31/22

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field
Pressure mode in air	Terry Riordan	8/1/22	0747	0.272	0.271	(P)/F	(P)/F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS:

HAB: RQ-2022-07-18-32

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there are qualified data on this page.

Meter ID: Craw Daddy ^{SMP} RQ: 2022-08-01-34 Project: HAB/SMP

- Notes: (1) Always wait for meter to stabilize before recording any readings.
 (2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 6/1/22

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro-meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Terry Riordan	8/1/22	0723	22.7	759.9	8.6	8.61	99.9	/	0.949	Ⓟ/F	L/F
ICV			0724	22.7	759.0	8.6	8.61	99.8	/	/	Ⓟ/F	L/F
CCV	Kate March		1600	24.8	757.0	8.3	8.33	100.3	/	/	Ⓟ/F	L/F
CCV											P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L. Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.
 Optical: DO gain range 0.85 to 1.15 (Pro DSS 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mos/cm	Meter Reading μ mos/cm	Pass / Fail	Lab / Field
Calibr.	Terry Riordan	8/1/22	0729	220328A	04/23	100.0	100.0	Ⓟ/F	L/F
ICV			0732	2112E28	12/23	100	98.9	Ⓟ/F	L/F
CCV	K March		1605	2112E28	12/23	100	100.1	Ⓟ/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Terry Riordan	8/1/22	0737	210792	02/23	7.00	23.8	7.00	-27.3	Ⓟ/F	L/F
Calibr.			0740	206704	11/22	4.00	23.2	4.00	-149.2	Ⓟ/F	L/F
Calibr.			0745	207370	03/23	10.01	23.6	10.01	-203.5	Ⓟ/F	L/F
ICV			0749	207370	03/23	10.01	23.4	9.99	-202.4	Ⓟ/F	L/F
CCV	K. March		1610	206704	11/22	4.00	23.3	4.05	-146.5	Ⓟ/F	L/F
CCV										P/F	L/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ; mV pH 4 Range $+180 \pm 50$; mV pH 10 Range -180 ± 50 ;
 If mV are recorded: slope from 7 to 10 176.2, slope from 4 to 7 176.5 (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)
 If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: 6/1/22
 If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: Knothead; Date of last verification: 6/1/22

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field
Pressure mode in air	Terry Riordan	8/1/22	0749	0.272	0.273	Ⓟ/F	Ⓟ/F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS:

New HAB: Johns Lake